



DoD Global Influenza and Other Respiratory Viral Pathogens Week 9 (27 Feb – 5 Mar) Weekly Surveillance Report



Number of new isolates for Week 9: **20 Influenza A, 10 Influenza B**

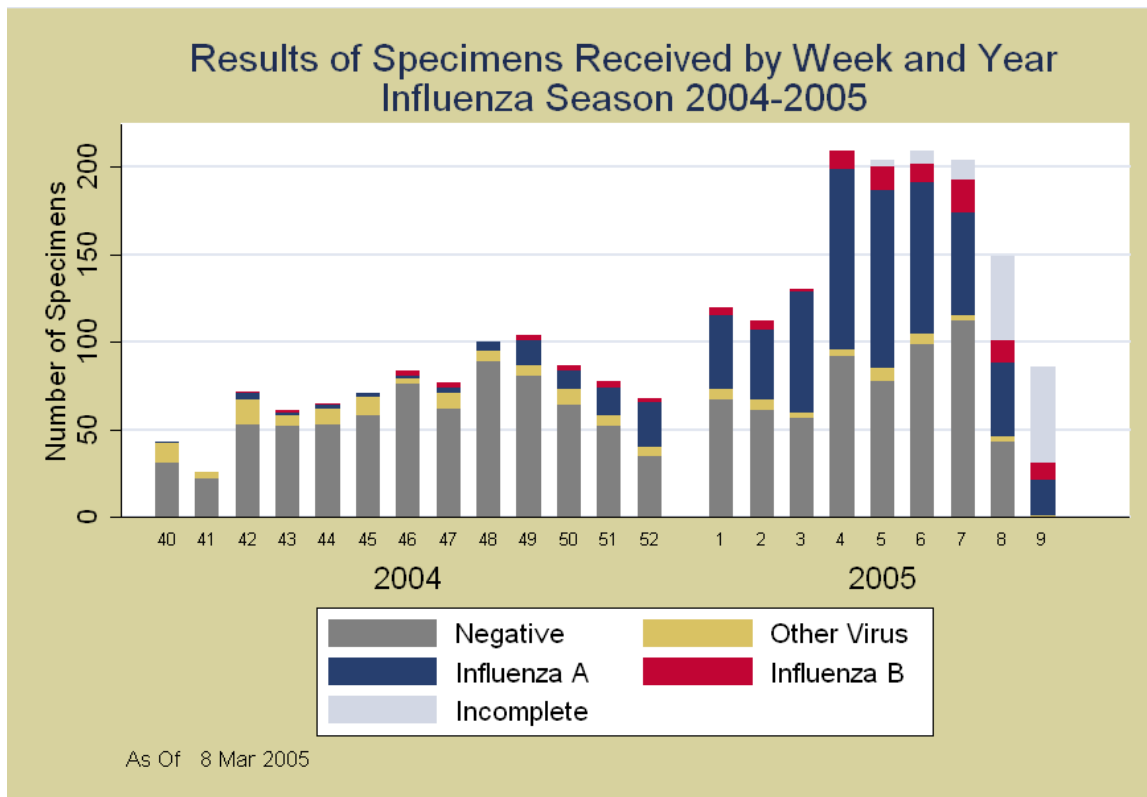
In addition, **53** influenza A and **25** influenza B isolates were newly identified during Week 9, but were collected prior to that week. The listing by individual bases is in a [table](#) at the back of the report.

To make the report shorter and easier to read “at a glance”, the CDC regional graphs have been linked to our website. [Click here](#) to get the CDC regional map and links to the graphs.

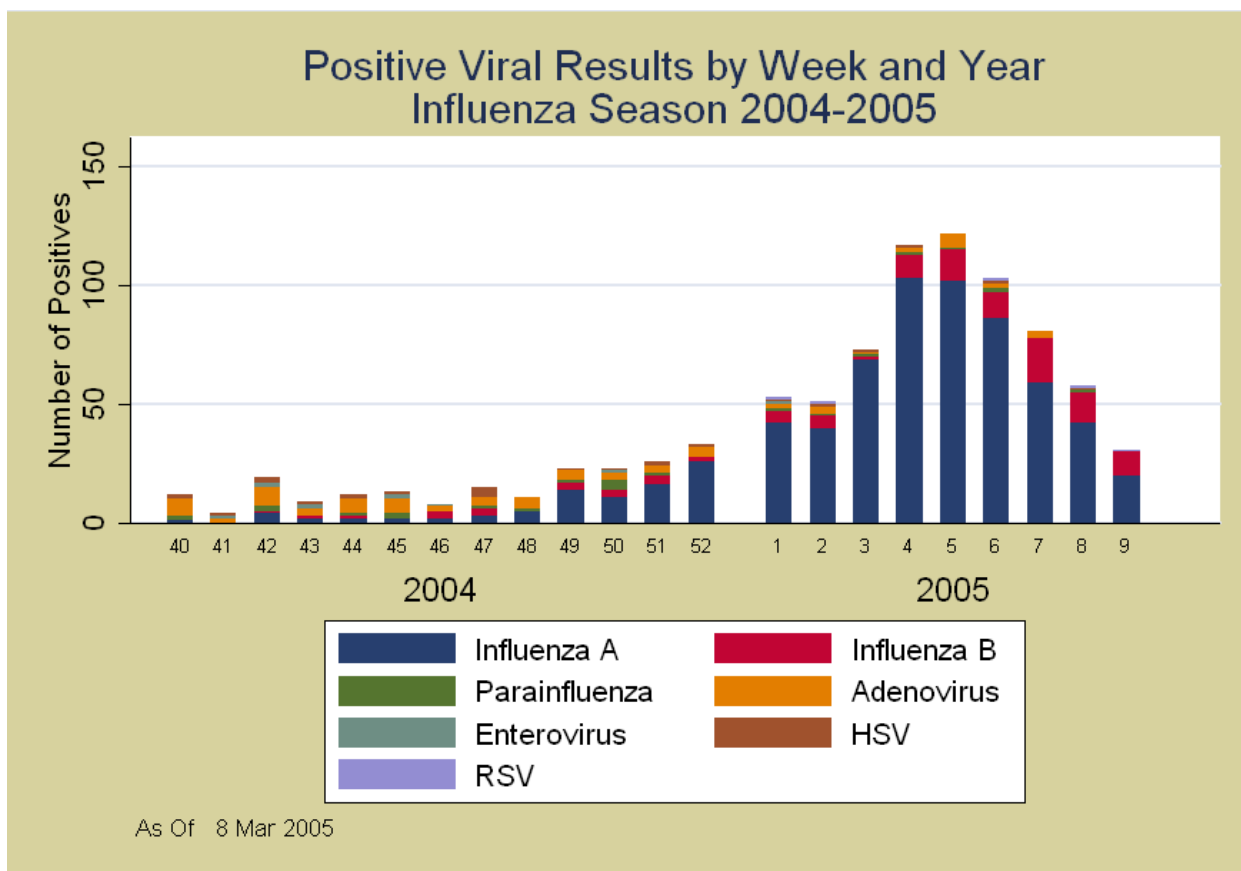
COMMENTS ON CURRENT TRENDS: Influenza activity overall seems to have peaked among sentinel sites, and the CDC is now reporting a decrease in activity as well. There seems to be a relatively larger number of influenza B isolates later in the season, both from CONUS and overseas sites.

SUMMARY:

Since **3 October 2004**, the Epidemiological Surveillance Division (AFIOH/SDE) has processed 2244 specimens as part of the influenza surveillance program. Of those specimens, 651 (29%) were positive for influenza A, and 108 (5%) were positive for influenza B. In addition, 125 specimens are still being processed.



OVERALL DOD RESPIRATORY VIRAL SURVEILLANCE:

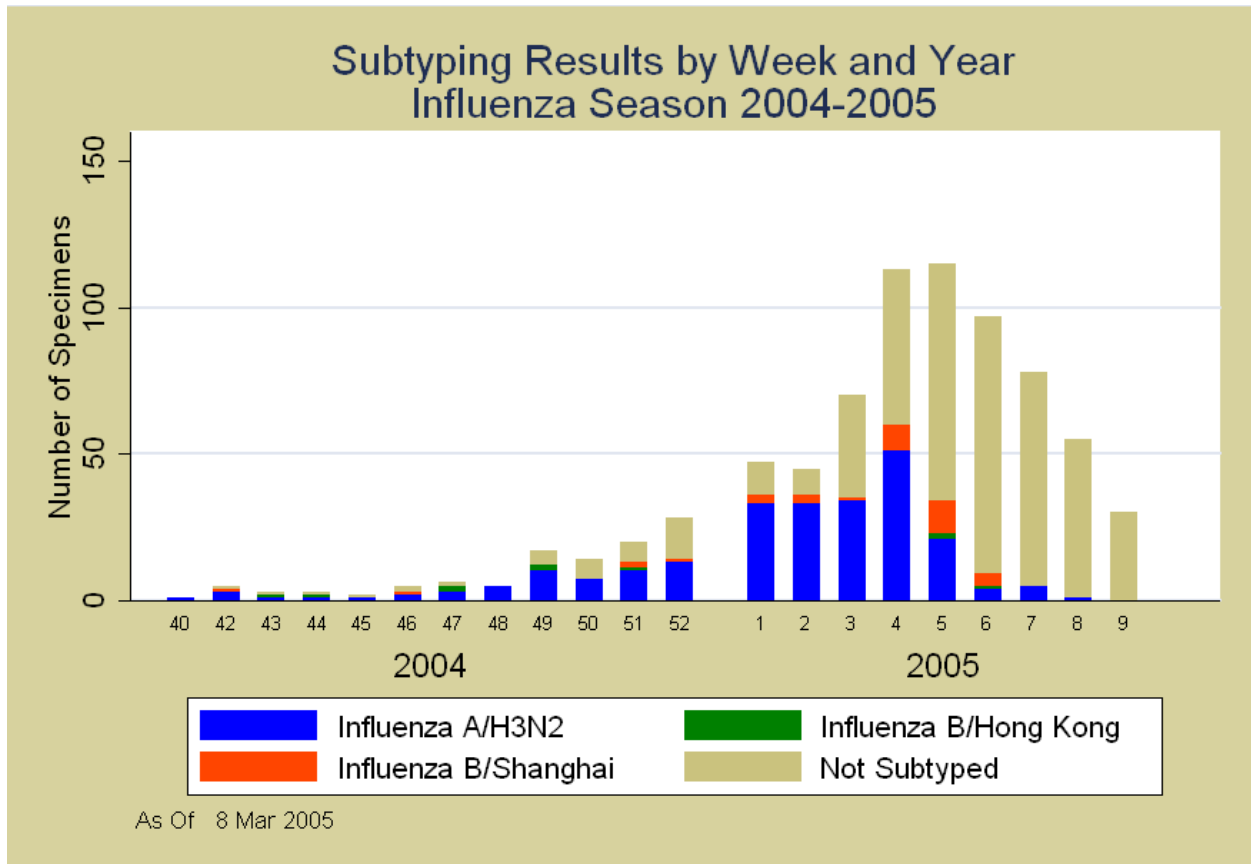


Note: Graphs do not include data from the NHRC, which conducts Febrile Respiratory Illness (FRI) surveillance among recruit populations. NHRC compiles this data into a separate report. For more information, visit the NHRC website at <http://www.nhrc.navy.mil/geis/>

SUBTYPING:

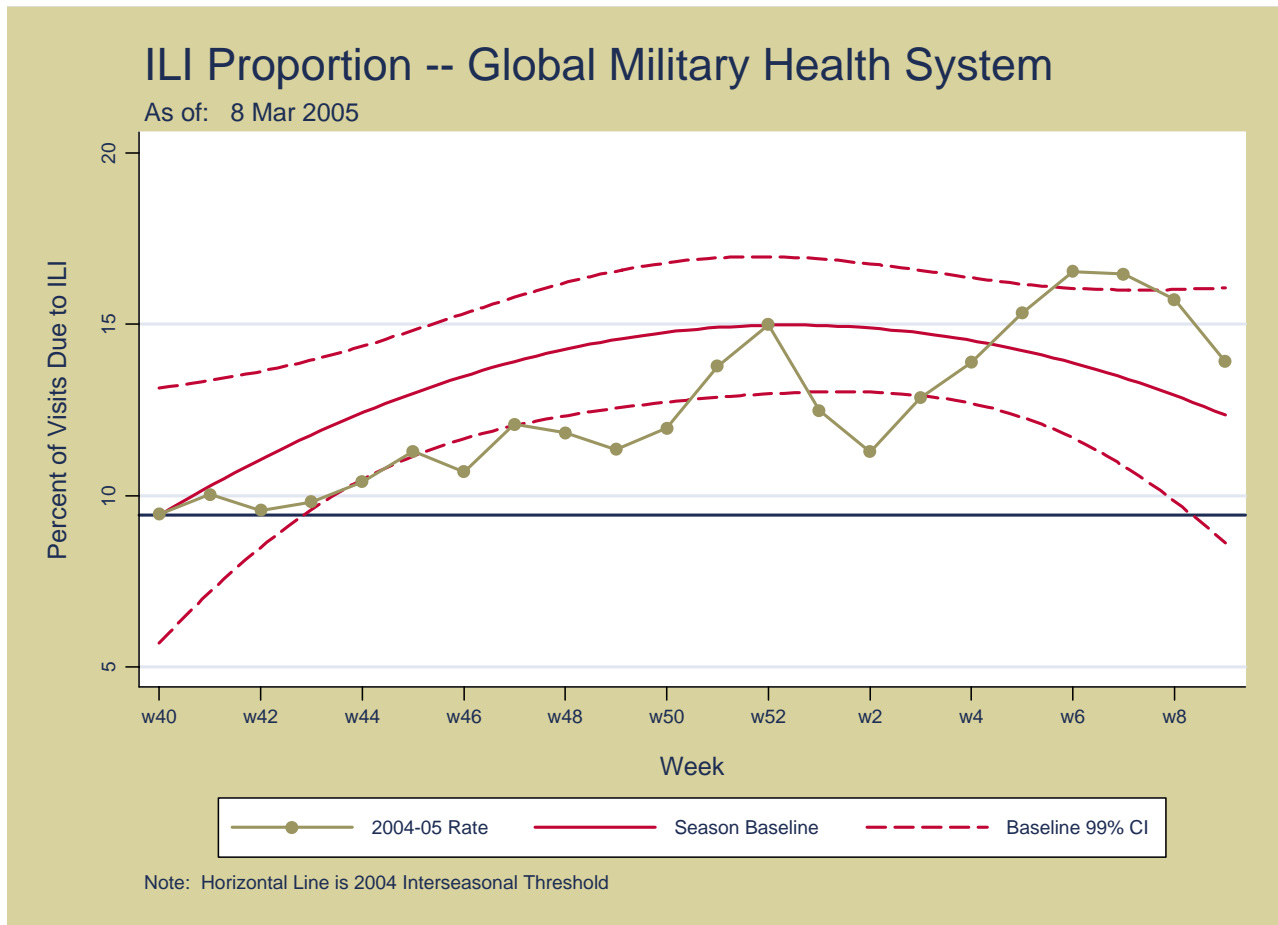
Since **3 October 2004**, we have subtyped 285 isolates using either polymerase chain reaction (PCR) or hemagglutination-inhibition (HI): 239 are Influenza A/H3N2, 10 are Influenza B/Hong Kong, and 36 are Influenza B/Shanghai. The following graph summarizes overall subtyping results. Subtyping results for individual bases can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/>



INFLUENZA-LIKE ILLNESS:

This graph plots the percentage of weekly outpatient visits at military installations that had an ICD-9 code correlating with Influenza-Like Illness as defined by ESSENCE. Visit and coding data were taken from ESSENCE. A seasonal baseline and 99% confidence intervals are included for comparison. The baseline was calculated from ESSENCE data for the previous 2 years. Note that the ESSENCE definition for Influenza-Like Illness differs from the CDC definition. See our website for a detailed explanation.



Graphs for individual bases and regions can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/ILChartsform.cfm>

NATIONAL INFLUENZA ACTIVITY: CDC

<http://www.cdc.gov/ncidod/diseases/flu/weeklychoice.htm>

During week 8 (the latest report available), CDC reported decreasing influenza activity. Laboratory surveillance identified 1025 specimens (21.0%) positive for influenza. Of these, 142 were influenza A (H3N2), 631 were influenza A viruses that were not subtyped, and 252 were influenza B. Thirty states reported widespread influenza activity, 16 states and New York City reported regional activity, 3 states and the District of Columbia reported local activity, and Puerto Rico reported sporadic activity.

INTERNATIONAL INFLUENZA ACTIVITY: WHO

<http://www.who.int/GlobalAtlas/DataQuery/home.asp>

Week in review: **Weeks 8-9**

South America: Argentina and Brazil reported sporadic activity.

Asia: China and Iran reported sporadic activity.

Europe: Spain reported sporadic activity. France, Latvia, Poland, and Sweden reported local outbreaks. Belarus, Belgium, Denmark, Finland, Italy, the Russian Federation, Switzerland, and Ukraine reported widespread outbreaks.

North America: The United States reported a widespread outbreak.

Africa: Tunisia reported a regional outbreak.

Note: WHO review has been expanded to the previous 2 weeks in order to capture delayed reports from countries.

ADDITIONAL INFORMATION:

- **Avian Influenza Update:** Four new cases of influenza H5N1 in Viet Nam have been reported to the WHO by the Vietnamese Ministry of Health. The cases include a brother and sister (ages 21 and 14, respectively) from the Thai Binh Province; a 69-year-old man from the same province, who has since died; and a 35-year-old woman from Hanoi.

A cumulative summary of H5N1 cases this year will be available shortly. As a result of improved diagnostic testing ability, specimens from seven patients are currently being retested. Since early this year, Vietnamese health authorities have been working to increase testing sensitivity and reliability, aided by WHO, Japan's National Institute for Infectious Disease, and CDC.

For the full WHO report, please see: http://www.who.int/csr/don/2005_03_07/en/

- **Influenza-Associated Pediatric Deaths:** During week 8, four pediatric deaths were reported to the CDC. During the current season, the CDC has reported pediatric deaths related to influenza infection from ten states: California, Georgia, Maine, Massachusetts, Mississippi, New Jersey, New York, Ohio, Pennsylvania, and Vermont.

Please direct any questions or comments to: influenza@brooks.af.mil

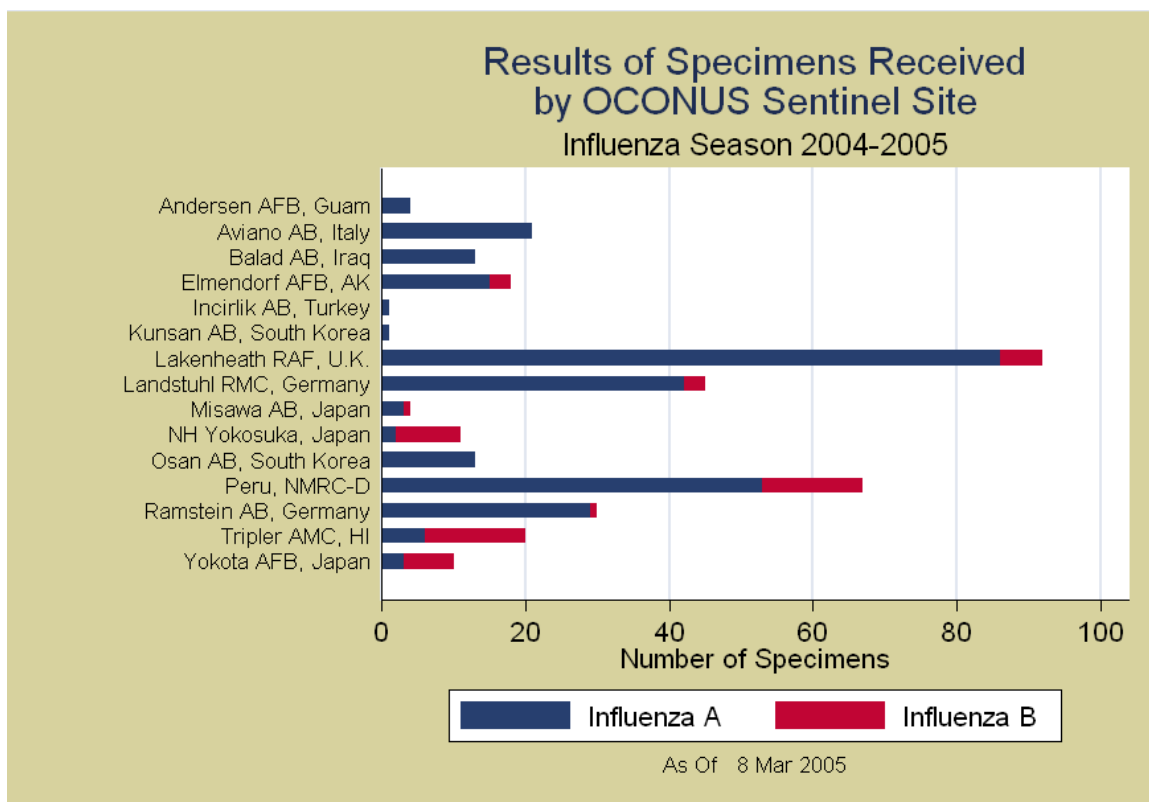
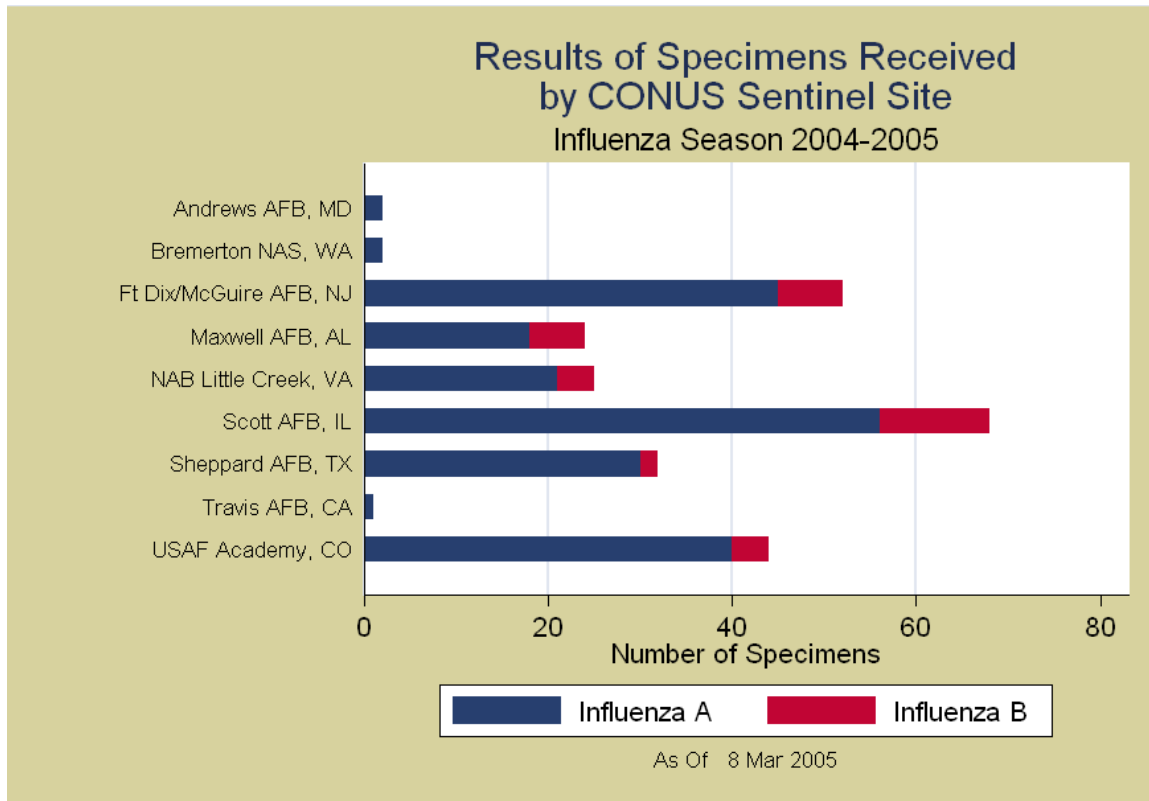
Tables 1 and 2: Respiratory Specimens Submitted by Sentinel Sites, and by Overseas Laboratories since October 3, 2004 (including Incomplete Processing)

AETC	Specimens Submitted
Maxwell AFB, AL	63
Sheppard AFB, TX	207
AMC	Specimens Submitted
Andrews AFB, MD	10
Travis AFB, CA	23
McGuire AFB, NJ	107
Scott AFB, IL	340
CENTCOM	Specimens Submitted
Ganci AB, Kyrg	0
Al Udeid AB, Qatar	3
Balad AB, Iraq	24
PACAF	Specimens Submitted
Hickam AFB/NS Pearl Harbor, HI	0
Kadena AB, Japan	1
Kunsan AB, Korea	8
Andersen AFB, Guam	13
Yokota AB, Japan	33
Misawa AB, Japan	38
Osan AB, Korea	29
Elmendorf AFB, AK	46
USAFA	Specimens Submitted
US Air Force Academy, CO	57

USAFE	Specimens Submitted
Incirlik AB, Turkey	15
Aviano AB, Italy	40
Ramstein AB, Germany	65
RAF Lakenheath, UK	227
ARMY	Specimens Submitted
Landstuhl RMC, Germany	47
Tripler AMC, HI	23
COAST GUARD	Specimens Submitted
CGS Ketchikan, AK	0
NAVY	Specimens Submitted
NMC San Diego, CA	5
NH Yokosuka, Japan	21
Bremerton NS, WA	9
NAB Little Creek, VA	62
<i>TOTAL for SENTINEL SITES</i>	<i>1246</i>

OVERSEAS LAB	Specimens Submitted
AFRIMS, Thailand	0
AFRIMS, Nepal	0
Nicaragua	0
NMRC-D, Peru	363
<i>TOTAL for OVERSEAS LABS</i>	<i>363</i>

SENTINEL SITE GRAPHS



Numbers and graphs for individual bases can be found on the AFIOH Influenza Surveillance website:
<https://gumbo.brooks.af.mil/pestilence/Influenza/>

Table 3. Summary of Recently Processed Specimens from All Sites

Location	Results of Specimens Processed during current week*				
	Negative	Influenza A	Influenza B	Adenovirus	Other
TOTAL	238	104	35	2	5**
NORTH AMERICA	146	46	20	1	3
PACOM	10	6	14	0	0
EUCOM	31	40	1	1	1
CENTCOM	2	0	0	0	0
SOUTH AMERICA	49	12	0	0	1

Comments: * Influenza A and B totals include recent subtyping results.

**2 HSV, 2 Parainfluenza, 1 RSV

Table 4: Newly Identified Influenza Specimens this Week, by Base

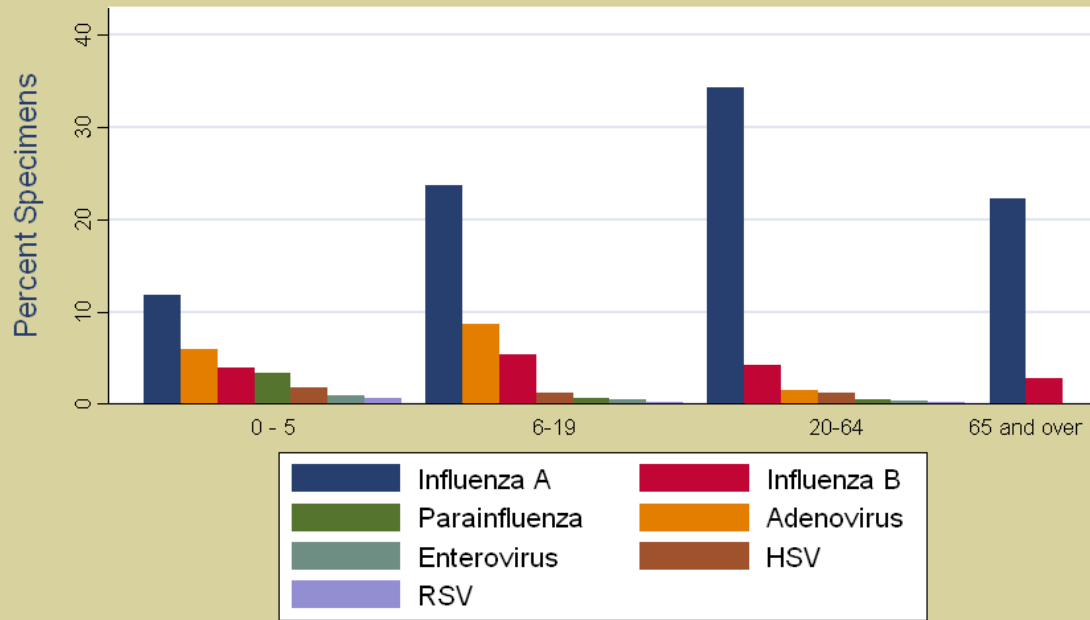
Site Name	Influenza A		Influenza B	
	New*	Old**	New*	Old**
Buckley AFB, CO		1		
Elmendorf AFB, AK			2	
Ft Campbell, KY	1	4		1
Keesler AFB, MS	1	5		
Lackland AFB, TX	2	2		
Maxwell AFB, AL		2	3	
McConnell AFB, KS	1			1
McGuire AFB, NJ		1	2	4
NAB Little Creek, VA	2	5		2
Robins AFB, GA		1	1	
Scott AFB, IL	3	2	2	4
Shaw AFB, SC	1			
Sheppard AFB, TX		2		
Tinker AFB, OK	1	2		
USAF Academy, CO	2	1		
Aviano AB, Italy		3		
Landstuhl RMC, Germany		2		
Misawa AB, Japan	1	1		
NH Yokosuka, Japan		1		6
NMRC-D, Peru		8		
Osan AB, South Korea		1		
RAF Lakenheath, UK	4	6		1
Ramstein AB, Germany		2		
Yokota AFB, Japan	1	1		6

*New: newly identified and collected during current week

**Old: newly identified, but collected prior to current week

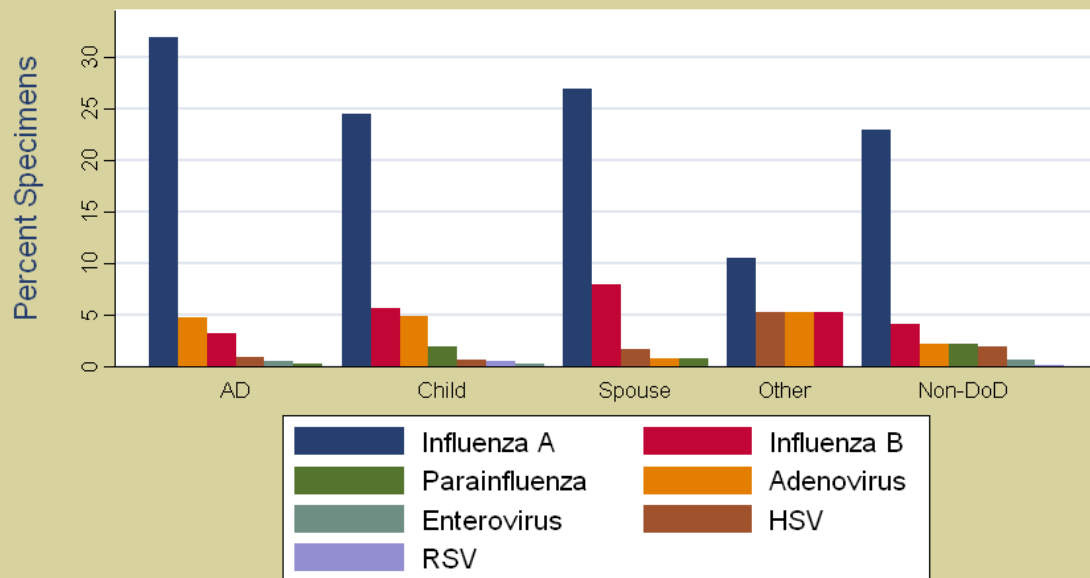
DEMOGRAPHIC GRAPHS

Percent of Respiratory Virus Submissions by Age Group
Influenza Season 2004-2005



As of 8 Mar 2005

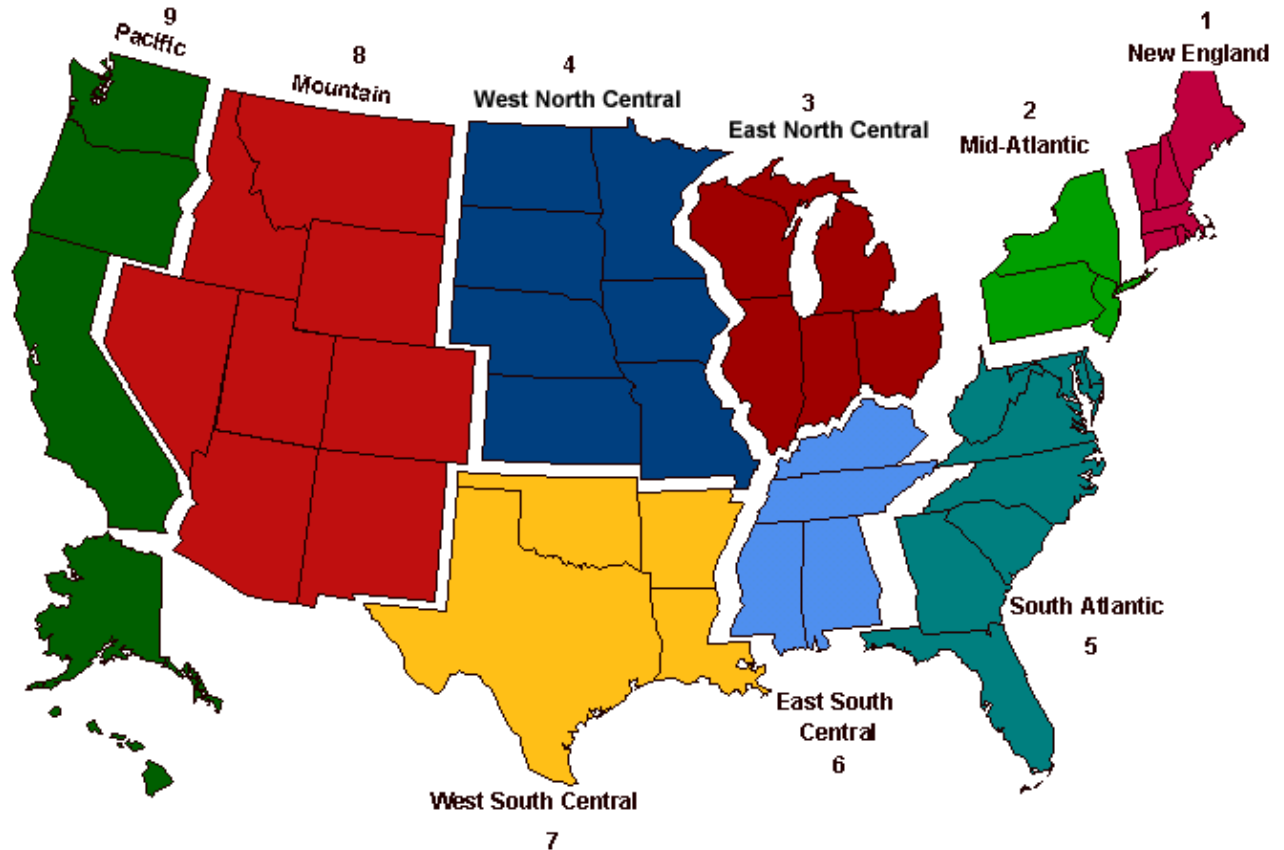
Percent of Respiratory Virus Submissions
by Family Military Prefix
Influenza Season 2004-2005



As of 8 Mar 2005

LINKS TO POSITIVE VIRAL RESULT GRAPHS BY CDC REGION

Click on links below map to access graphs.



[New England](#)

[West North Central](#)

[West South Central](#)

[Mid Atlantic](#)

[South Atlantic](#)

[Mountain](#)

[East North Central](#)

[East South Central](#)

[Pacific](#)

Overseas Bases:

[Pacific Rim](#) (includes bases in Japan, Korea, Guam)

[Europe](#) (includes bases in UK, Germany, Italy, Turkey)

[South America](#) (includes overseas lab in Peru)

[Deployed Areas](#) (includes sites in Iraq)